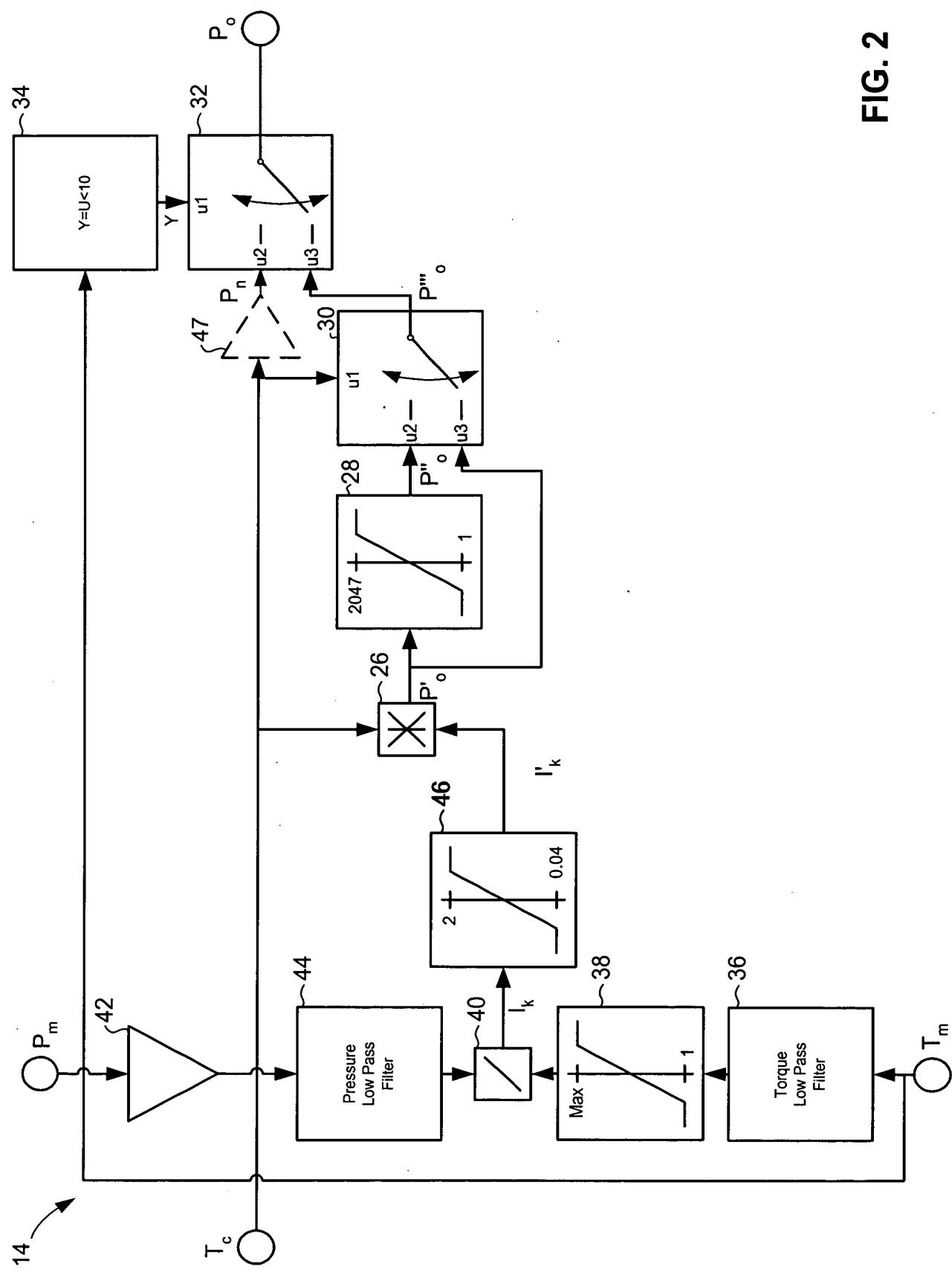
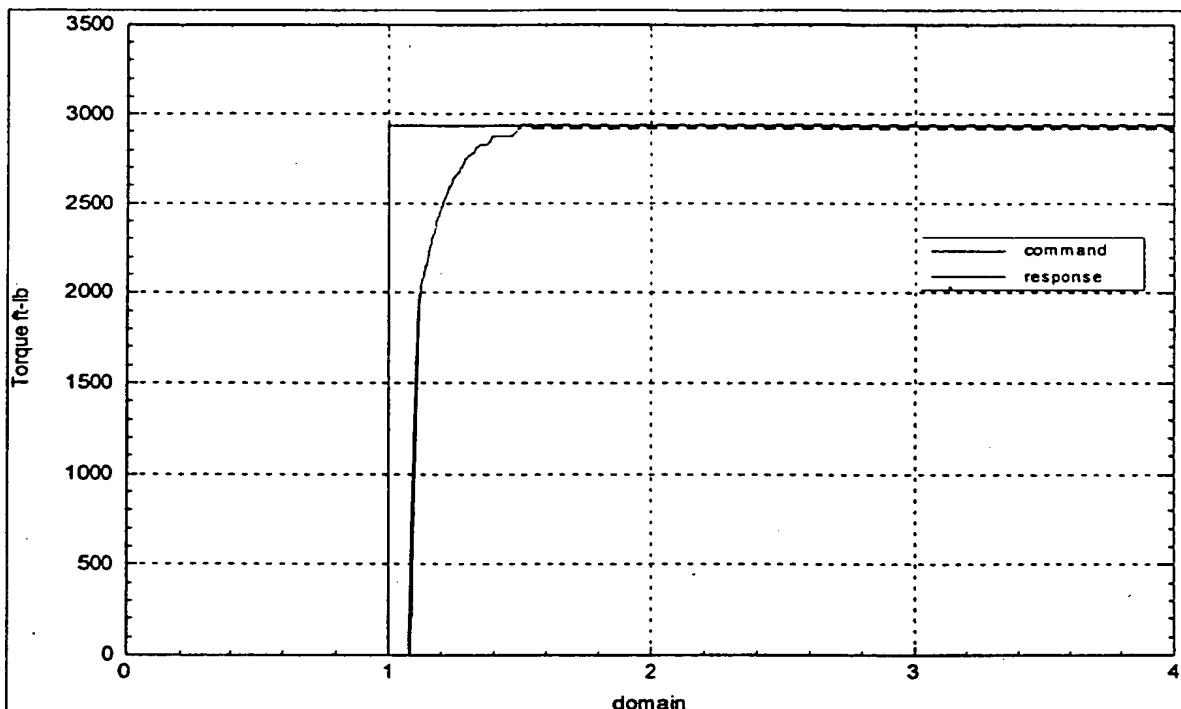


FIG. 1



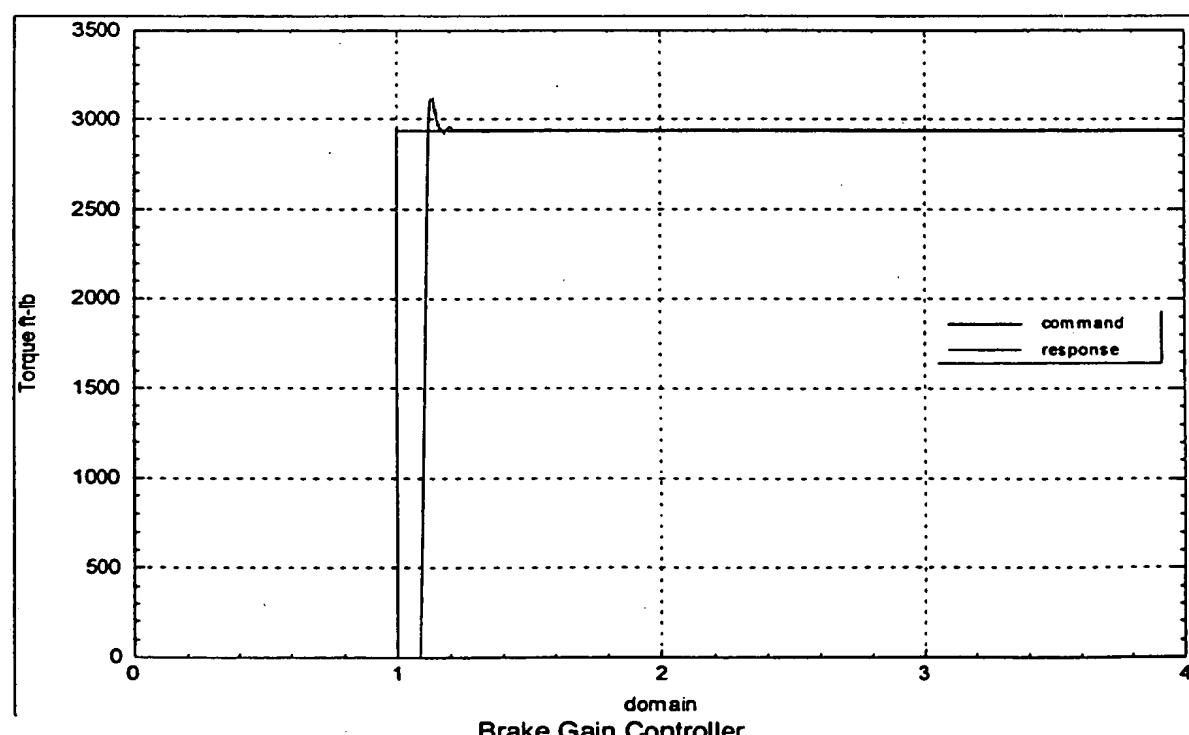
Step Input, Constant Brake Gain, No Brake Friction Dynamics



PRIOR ART

PID Controller

FIG. 3



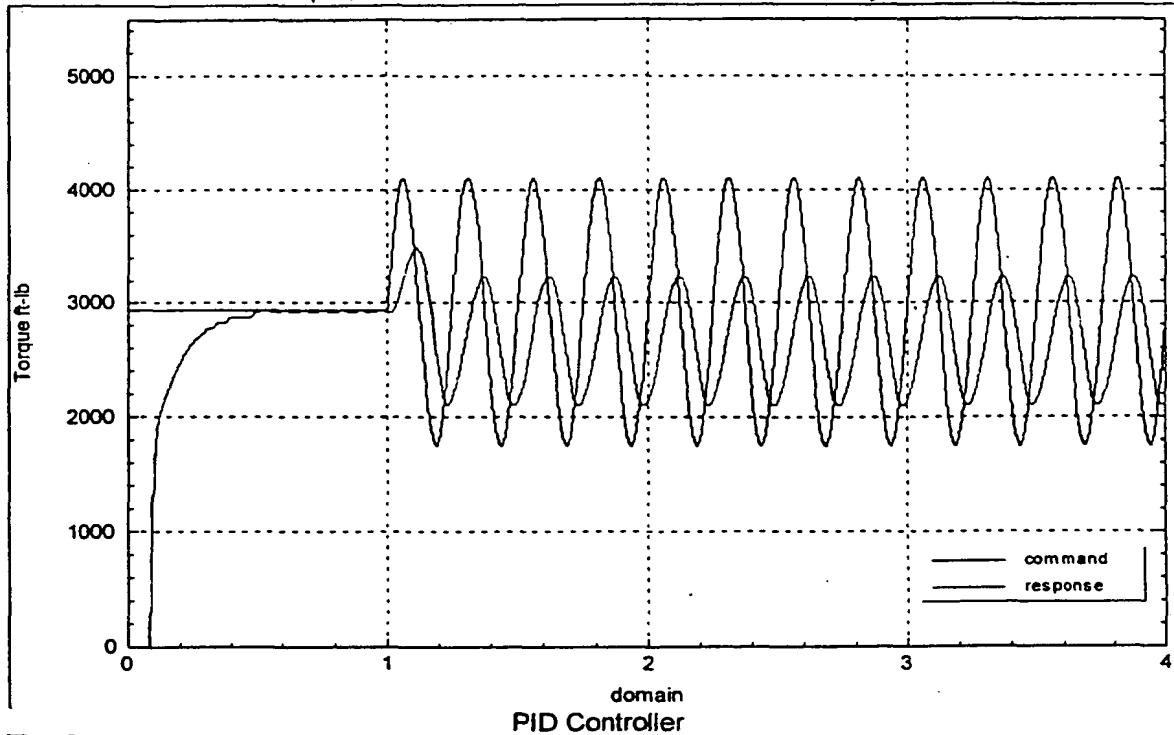
Brake Gain Controller

FIG. 4

Title: Brake Gain-Based Torque Controller
Inventor: Michael L. Zierolf
Attorney Docket No.: BFGRP0304US

4/9

Sine Input, Constant Brake Gain, No Brake Friction Dynamics



PRIOR ART

FIG. 5

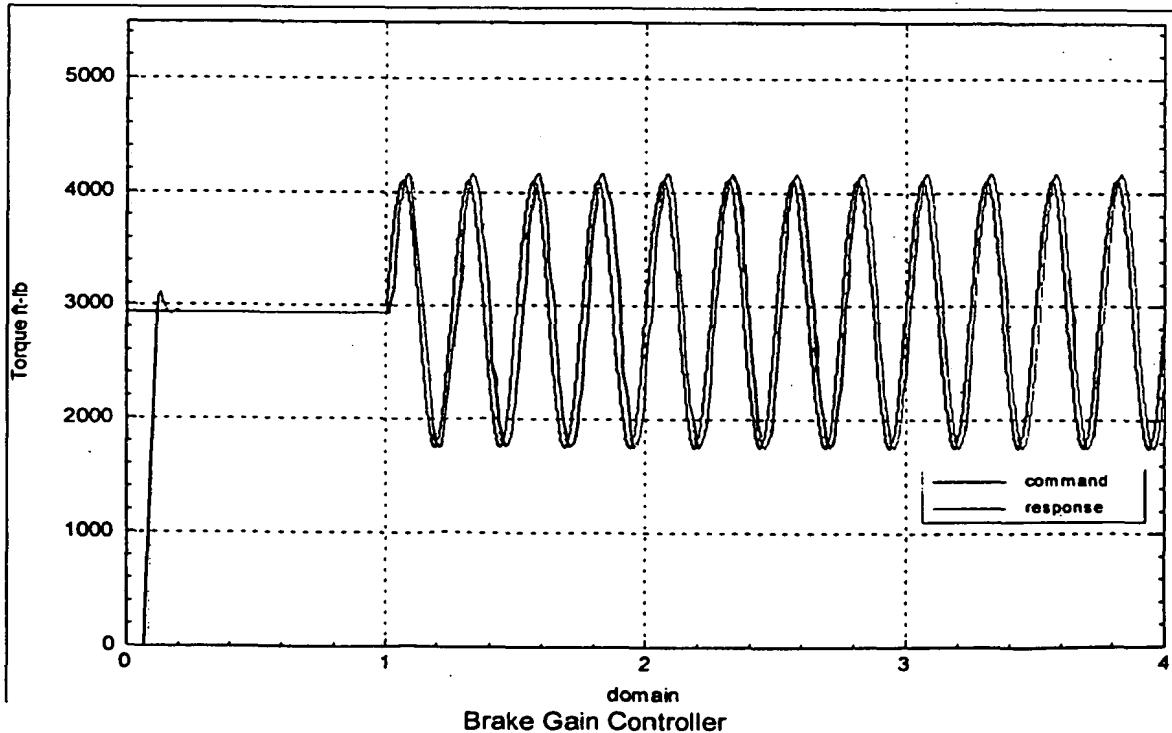
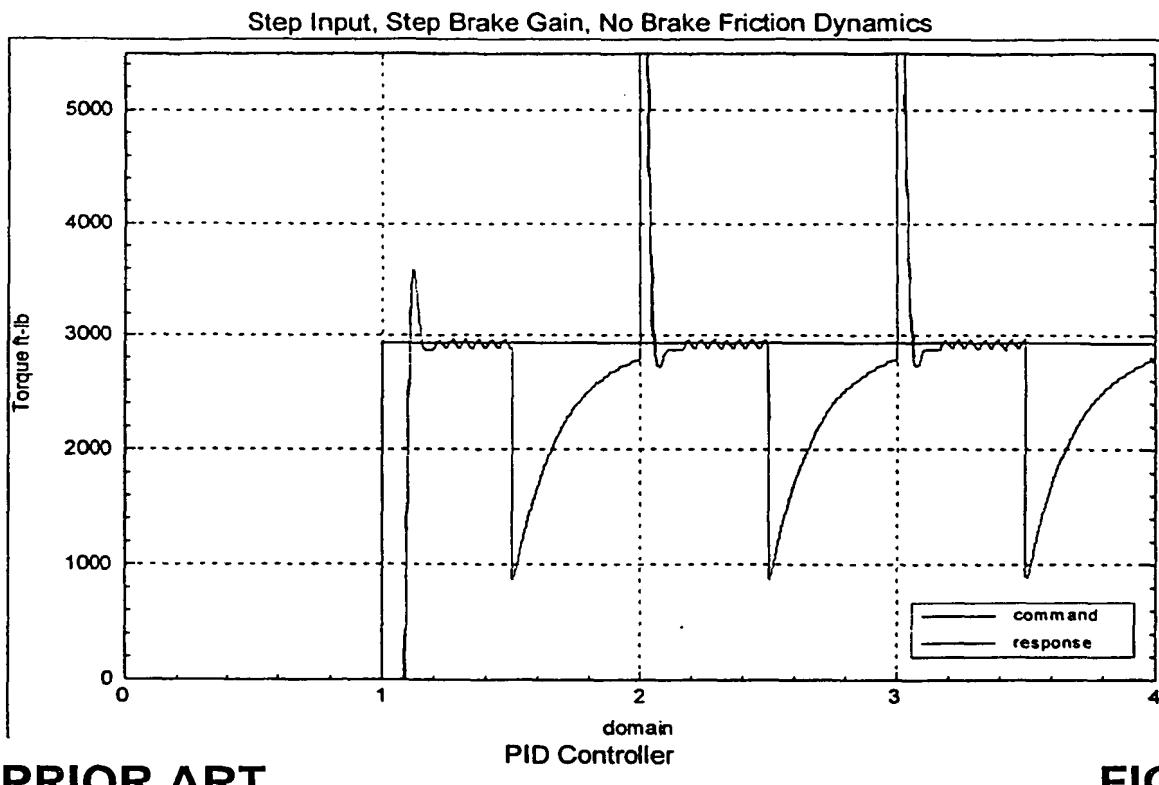


FIG. 6

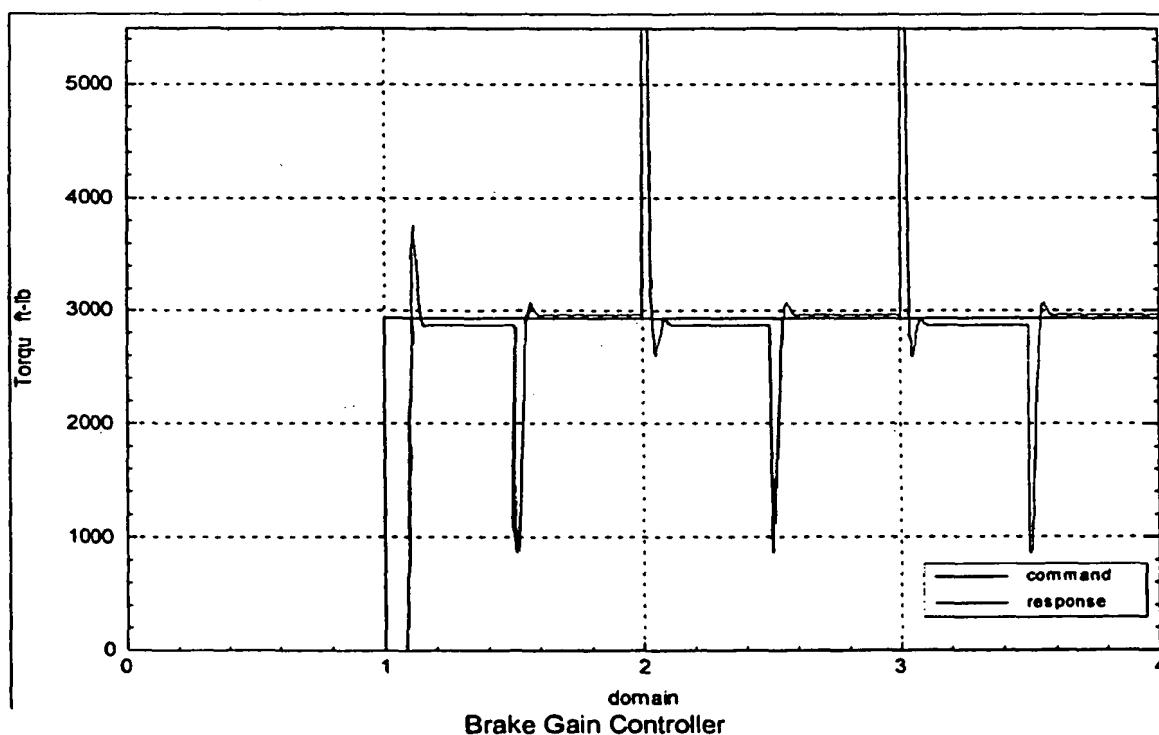
Title: Brake Gain-Based Torque Controller
Inventor: Michael L. Zierolf
Attorney Docket No.: BFGRP0304US

5/9



PRIOR ART

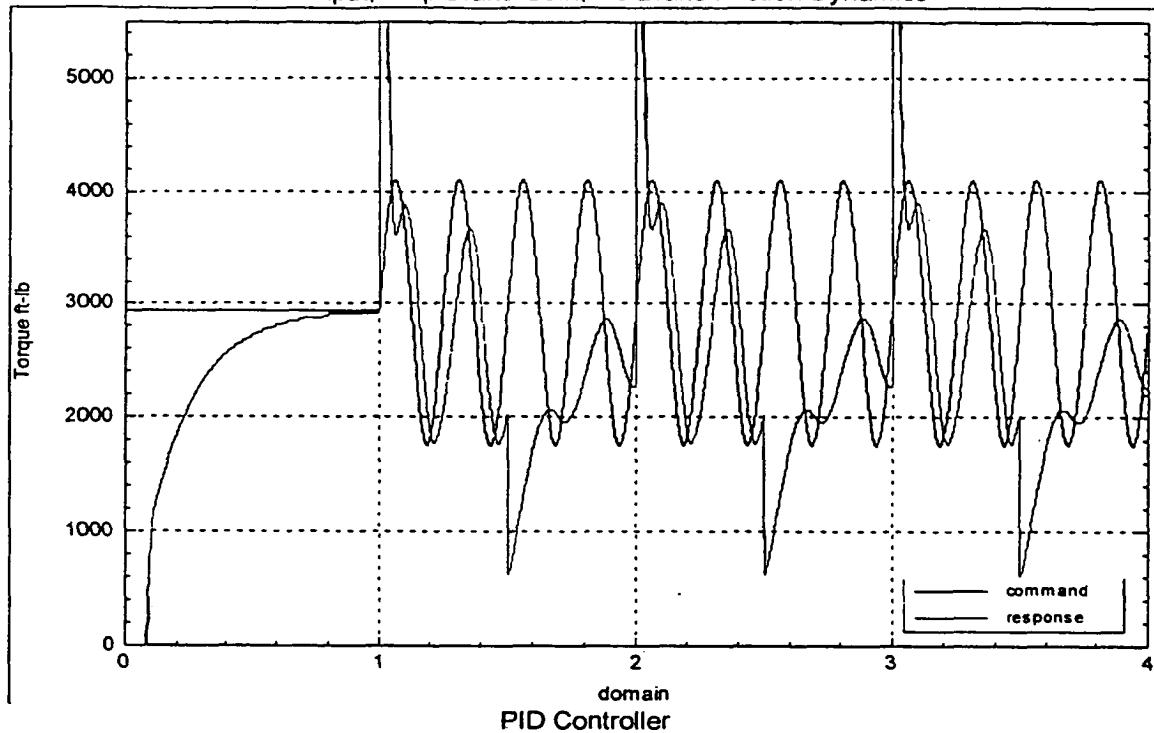
FIG. 7



Brake Gain Controller

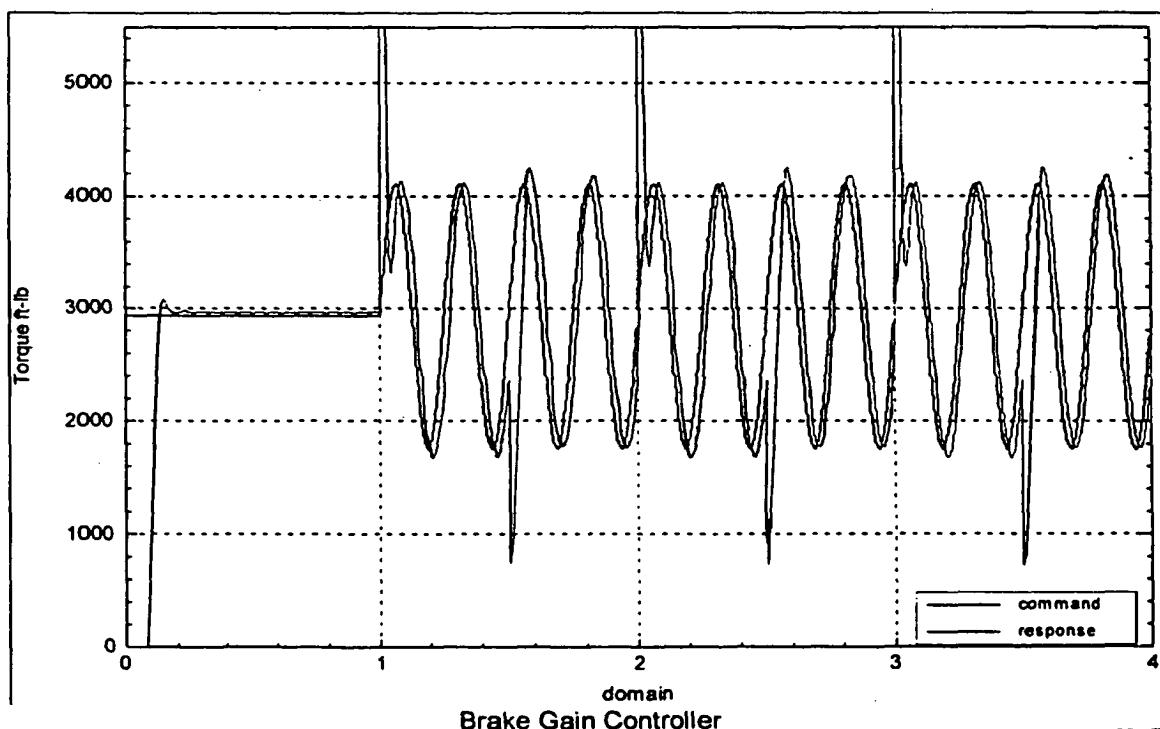
FIG. 8

Sine Input, Step Brake Gain, No Brake Friction Dynamics



PRIOR ART

FIG. 9



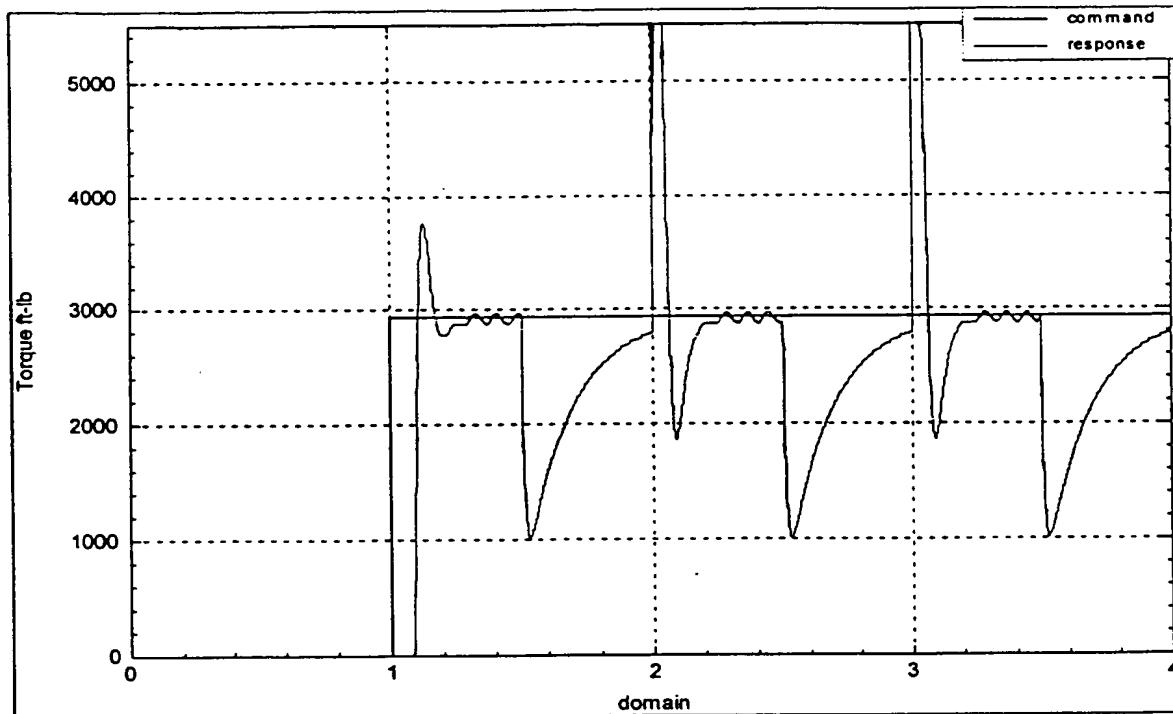
Brake Gain Controller

FIG. 10

Title: Brake Gain-Based Torque Controller
Inventor: Michael L. Zierolf
Attorney Docket No.: BFGRP0304US

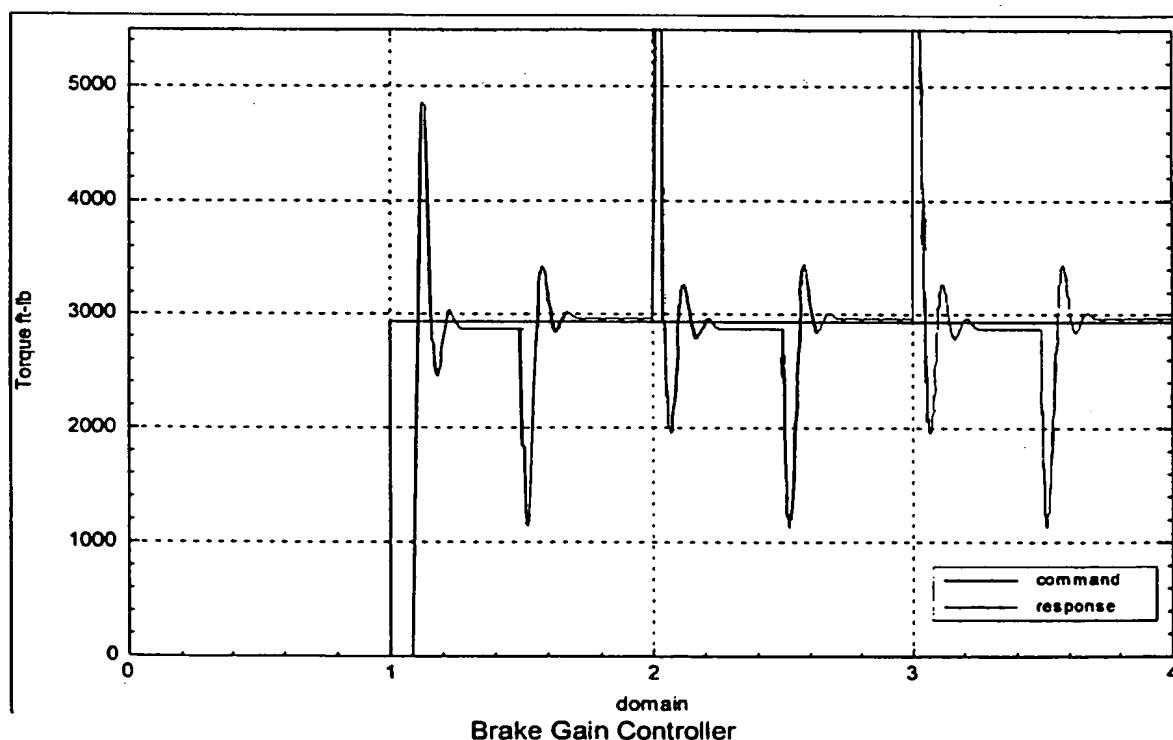
7/9

Step Input, Step Brake Gain, Brake Friction Dynamics On



PRIOR ART

FIG. 11



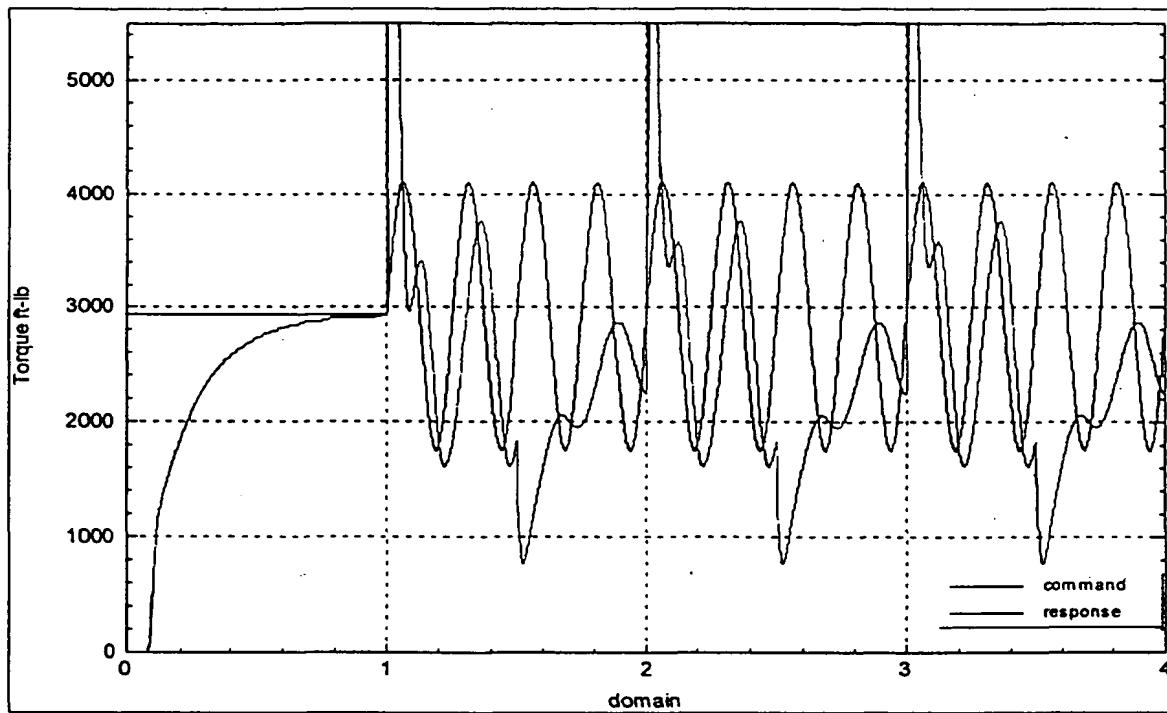
Brake Gain Controller

FIG. 12

Title: Brake Gain-Based Torque Controller
Inventor: Michael L. Zierolf
Attorney Docket No.: BFGRP0304US

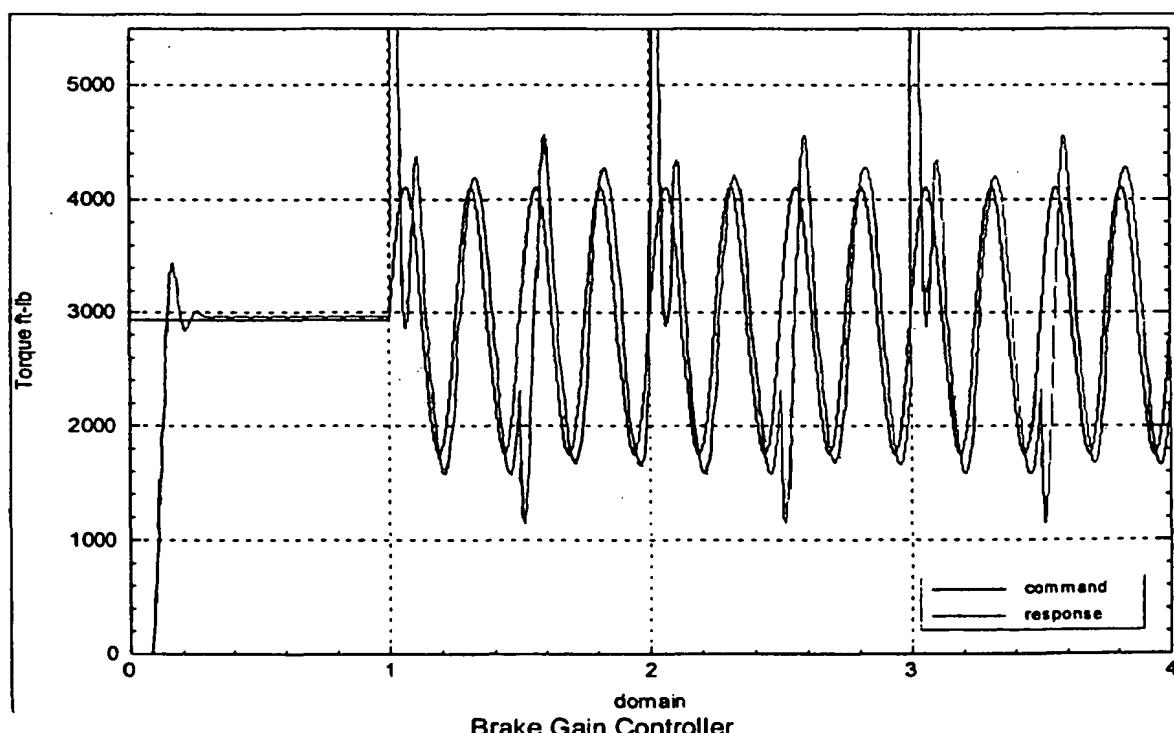
8/9

Sine Input, Step Brake Gain, Brake Friction Dynamics On



PRIOR ART

FIG. 13



Brake Gain Controller

FIG. 14

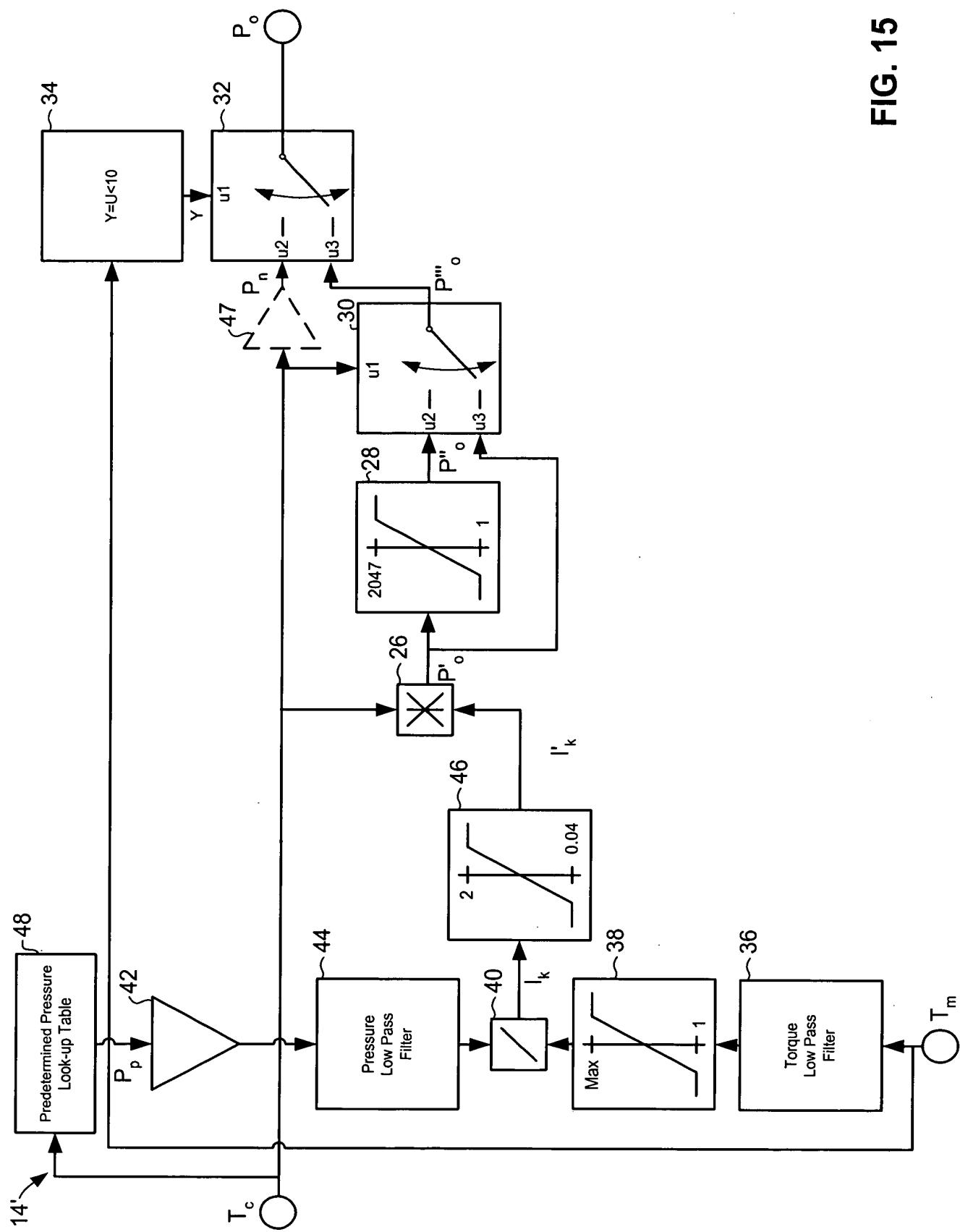


FIG. 15